

INSTRUCTIONS
FORM F7
SAND and GRAVEL OPERATIONS

Department of Environmental Quality
Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
Telephone (801) 536-4000

DAQ ID	For office use only.
Pt. Source ID	Provide the identification number associated with the process.
SCC	Enter the appropriate Source Classification Code (SCC). See the General Instructions for explanation.
Description of Process Generating Emissions	<p>Describe the process or equipment which causes or contributes to the air emissions at this source from the following: primary or secondary crushing (wet material), primary or secondary crushing (dry material), tertiary crushing (dry material), flat screens (dry products), transfer station, pile formation - stacker, truck loading (conveyor and front end loader) and unloading operations, conveying tunnel belt, etc.</p> <p>Please specify any other operations and provide relevant information necessary for emission calculations.</p>
NSPS	If equipment is regulated under the New Source Performance Standards (NSPS) enter yes, or check box.
Material Type	Specify the type of material processed.
Thru-put	Give the annual thru-put in tons per year.
% Silt Content	Estimate the average percentage of material passing through a 100 mesh sieve screen.
% Moisture Content	Enter the average moisture content of material before any water has been introduced. Ranges of aggregate moisture content are from 0% to 8% for moist material.
Emission Control Code	See Table I of the General Instructions for options.
% Control Efficiency Control	<p>Provide particulate control efficiency for the control facility.</p> <p>Efficiency of water sprays can be assumed to be between 75% and 90% if the moisture content of material passing through a 40 mesh sieve has a water content of 4% by weight.</p>
Days/yr Applied	Include the number of days this control application was used.
Emissions	Calculate emissions in tons/yr. Provide complete calculations on a separate sheet.

Estimate Code	Provide the valid method code for quantifying actual emissions of each pollutant. The valid method codes are listed in Table II of the General Instructions. <u>Note that the codes have changed.</u> These are the only codes which will be accepted. If the Estimate Code (AP-42 factors) is used, please provide the section number of AP-42 in the Comment column.
Emission Factor	Provide emission factors used in the calculations.
Units	Units appropriate to the emission factor used must be provided.

Suggested Emission Factors (lbs emissions/tons thru-put)

Crushing:	Primary, Secondary, and Tertiary Crushing (dry material): 0.0024 (PM10); Primary, Secondary, and Tertiary Crushing (wet material): 0.00059 (PM10); Fines Crushing (dry material): 0.015 (PM10); Fines Crushing (wet material): 0.0020 (PM10); Reference: AP-42 Table 11.19.2-2.
Screening:	Dry Material: 0.015 (PM10) Wet Material: 0.00084 (PM10). Fines (dry material): 0.071 Fines (wet material): 0.0021 Reference: AP-42 Table 11.19.2-2.
Conveyors:	Transfer point (dry material): 0.0014 (PM10). Transfer point (wet material): 4.8×10^{-5} Reference: AP-42 Table 11.19.2-2